

## Message Text

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TO SECSTATE WASHDC 2743

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E.O. 11652 N/A

TAGS: TSPA, US, UR

SUBJECT: US-USSR COOPERATION IN SPACE

1. EMBASSY HAS RECEIVED LETTER DATED 18 JULY FROM N.S. NOVIKOV FOR OSCAR E. ANDERSON (COPY TO DR. NORMAN NESS). TEXT FOLLOWS:

2. QUOTE. MR OSCAR E. ANDERSON, NATIONAL AERONAUTIC AND SPACE RESEARCH ADM., WASHD., D.C. COPY: DR. NORMAN NESS, NASA, GODDARD SPACE CENTER, GREENBELT. DEAR MR. ADNERSON, THIS LETTER IS A CONFIRMATION OF YOUR PROPOSAL TO HOLD A SEMINAR DEVOTED TO THE PROBLEM OF THE INTERACTIONOF SOLAR WIND AND THE PLANETS IN MOSCOW IN OCTOBER-NOVEMBER 1975.

3. WE AGREE TO CONCENTRATE ON THE IMPORTANCE OF THE INFLUENCE OF THE ATMOSPHERE AND THE IONOSPHERE ON THE PROBLEM OF INTERACTION BETWEEN SOLAR WIND AND THE PLANETS MARS AND VENUS. BUT WE BELIEVE THAT THE WEAK MAGNETIC FIELD INHERENT TO MARS, LIKE THAT WHICH WAS DISCOVERED ON MERCURY, MAY HAVE A STRONG INFLUENCE ON THE INTERACTION OF SOLAR WIND WITH MARS. THEREFORE IT WOULD BE DESIRABLE TO COMPARE THE RESULTS OF RESEARCH ON THE INTERACTION OF SOLAR WIND WITH VENUS (DENSE ATMOSPHERE AND ABSENCE OF MAGNETIC FIELD), WITH MERCURY (MAGNETIC FIELD AND THIN ATMOSPHERE) AND WITH MARS (ATMOSPHERE OF MEDIUM DENSITY AND POSSIBLE WEAK MAGNETIC FIELD).

4. THUS, WE PROPOSE TO INCLUDE IN THE PRORAM DISCUSSION OF THE INTERACTION OF SOLAR WIND WITH MERCUTY. FOLLOWING IN THE UNCLASSIFIED

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PROGRAM WILL BE THESE THEMES:

A) USING "VENUS-4", "VENUS-6" "MARINER-4" AND "MARINER-10", STUDY THE FLOW OF SOLAR WIND PAST VENUS AND THE INTERACTION OF THIS FLOW WITH THE ATMOSPHERE/IONOSPHERE OF THE GIVEN PLANET.

B) USING "MARINER-10" STUDY THE FLOW OF SOLAR WIND PAST MERCURY AND ANALYZE THE INTERACTION OF THIS FLOW WITH THE MEGNETOSPHERE OF THE GIVEN PLANET.

C) USING "MARS-2", "MARS-7" AND "MARINER-5", AND "MARINER-6", "MARINER-7" AND "MARINER-9" STUDY THE FLOW OF SOLAR WIND PAST MARS AND THE INTERACTION OF THIS FLOW WITH THE ATMOSPHERE/IONOSPHERE AND, POSSIBLY, WITH THE WEAK MAGENTIC FIELD OF THE GIVEN PLANET.

5. METHODS OF MAKING NUMERICAL MODELS OF THE INTERACTION OF SOLAR WIND WITH PLANETARY ATMOSPHERES/IONSPHERES AND WITH COMETS.

6. LABORATORY EXPERIMETNS IN MODEL-MAKING FOR THE INDICATED INTERACTIONS.

7. WE HOPE THESE CHANGES IN YOUR PROGRAM WILL BE ACCEPTABLE. WE AWAIT YOUR REPLY. SINCERELY YOURS, N.S. NOVIKOV, DEPUTY COUNCIL CHAIRMAN. END QUOTE.

8. LETTER POUCHED REGISTRY 1907259.  
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## Message Attributes

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